BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 2500000.00

Name of Work: Detailed Estimate for the work of Providing Asphalting to 11th A cross road in ward no -04.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no142, PWD SR 2016-17)	cum							
	for RCC drain 9th A cross		1	150.00	1.00	1.00	150.00		
	culvert		2	6.00	1.50	1.00	18.00		
	for bench		15	2.50	1.50	0.20	11.25		
	desilting of existing drain		1	150.00	0.60	0.60	54.00		
	berm cutting for sanitary cutting line		1	150.00	0.70	0.20	21.00		
			1	60.00	0.70	0.20	8.40		
			1	40.00	0.70	0.20	5.60		
							268.25	**96.48**	**25881.00**
	Basic Rate	82.00							
	Ad-HOC 11%	9.02							
	Sub Total	91.02							
	Area Weightage 6%	5.46							
	Grand Total	96.48							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							
			Vide Item No. 1				**268.25**	**110.13**	**29542.00**
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 8.00 k.m =1.28 X 2.50 X 8	25.60							
	Basic Rate	93.60							
	Ad-HOC 11%	10.30							
	Sub Total	103.90							
	Area Weightage 6%	6.23							
	Grand Total	110.13							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)/ PWD SR 2016-17	Cum							
	for RCC drain		1	150.00	0.90	0.15	20.25		
			2	6.00	1.20	0.15	2.16		
	bench		15	2.50	1.50	0.12	6.75		
							29.16	**5726.51**	**166985.00**
	Basic Rate	4867.00							
	Ad-HOC 11%	535.37							
	Sub Total	5402.37							
	Area Weightage 6%	324.14							
	Grand Total	5726.51							
4	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc.completeexcluding cost of steel as per MORTH specification No.1500,1700,2200 Page No 265 Ite mo 37.59.2 SR 2016-17	Cum							
	for RCC drain bed		1	150.00	0.90	0.15	20.25		
	side walls	1x2	2	150.00	0.15	0.70	31.50		
	for culvert		2	6.00	1.20	0.23	3.31		
	side walls	2x2	4	6.00	0.23	0.75	4.14		
	bench		15	2.50	1.50	0.075	4.22		
							63.42	**12246.05**	**776654.00**
	Basic Rate	10408.00							
	Ad-HOC 11%	1144.88							
	Sub Total	11552.88							
	Area Weightage 6%	693.17							
	Grand Total	12246.05							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	Quintal							
	for RCC drain 65 kg/cum		0.650	**51.75**			33.64		
	for culvert 80 kg/cum		0.800	**7.45**			5.96		
				59.20			**39.60**	**7154.55**	**283314.00**
	Basic Rate	6080.70							
	Ad-HOC 11%	668.88							
	Sub Total	6749.58							
	Area Weightage 6%	404.97							
	Grand Total	7154.55							
7	RCC Precast covering slab for drain (10cm thick)	sqm							
			1	133.00	0.75		99.75		
							99.75	**2100.00**	**209475.00**
	Rate Approved by BBMP	**2100.00**							
8	Providing precast slab of **250 mm thick including cost of all** materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-	sqm							
			14	1.20	0.60		10.08		
							10.08	**5111.00**	**51519.00**
	Data Rate	5111.00							
6	Providing and laying /fixing cement base. Precast, pre polished cement concrete designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treds of steps and landing, laid on bed of 12mm thick cement mortal 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting griding the eges to half/full round wherever required. Labour, curing complet as per specification. Page No. 109/ Item No. 14.62 / PWD SR 2016-17	sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	for bench		15	2.50	1.50		56.25		
							56.25	**1276.61**	**71809.00**
	Basic Rate	1085.00							
	Ad-HOC 11%	119.35							
	Sub Total	1204.35							
	Area Weightage 6%	72.26							
	Grand Total	1276.61							
7	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25/ Item No. 5.27/ PWD SR 2016-17	**sqm**							
			30	2.50		0.40	30.00		
			30	1.50		0.40	18.00		
							48.00	**1102.47**	**52919.00**
	Basic Rate	937.00							
	Ad-HOC 11%	103.07							
	Sub Total	1040.07							
	Area Weightage 6%	62.40							
	Grand Total	1102.47							
8	Supplying and fixing granite benches to the parks and Governament schools etc....	**Nos**							
			15				15.00		
							15.00	**10550.00**	**158250.00**
	BBMP Approved Rate	10550.00							
10	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications MORTH Specification No. 406 (P.No.158 I.No.20.18)	Cum							
	for sanitary cutting								
	9th a cross road		1	150.00	1.50	0.20	45.00		
	12th A main		1	40.00	1.50	0.20	12.00		
	13th cross		1	60.00	1.50	0.20	18.00		
							75.00	1962.57	**147193.00**
	Basic Rate	1668.00							
	Ad-HOC 11%	183.48							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Sub Total	1851.48							
	Area Weightage 6%	111.09							
	Grand Total	1962.57							
11	Providing and applying primer coat with ss bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. MORTH Specification No.502 (P.No.160/It No.21.6)	sqm							
			1	150.00	1.50		225.00		
			1	40.00	1.50		60.00		
			1	60.00	1.50		90.00		
							375.00	30.59	**11472.00**
	Basic Rate	26.00							
	Ad-HOC 11%	2.86							
	Sub Total	28.86							
	Area Weightage 6%	1.73							
	Grand Total	30.59							
12	KSRRB M500- 15. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No.507 (P.No.162&163 It.No.21.17.6)	Cum							
			1	150.00	1.50	0.050	11.25		
			1	40.00	1.50	0.050	3.00		
			1	60.00	1.50	0.050	4.50		
							18.75	6976.06	**130801.00**
	Basic Rate	5929.00							
	Ad-HOC 11%	652.19							
	Sub Total	6581.19							
	Area Weightage 6%	394.87							
	Grand Total	6976.06							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
13	KSRRB 500-7:Providing and **applying tack coat with bitumen emulsion** using 80/100 grade bitumen (VG20) on the prepared black toped suface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications.(P.No.160 & I.No.21.7)	sqm							
			1	150.00	4.50		675.00		
			1	40.00	4.00		160.00		
			1	60.00	4.00		240.00		
							1075.00	12.94	**13913.00**
	Basic Rate	11.00							
	Ad-HOC 11%	1.21							
	Sub Total	12.21							
	Area Weightage 6%	0.73							
	Grand Total	12.94							
14	KSRRB M500- 15. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 6% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications MORTH Specification No.509 (P.No.164 Item No.21.22.6)	cum							
			1	150.00	4.50	0.040	27.00		
			1	40.00	4.00	0.040	6.40		
			1	60.00	4.00	0.040	9.60		
							43.00	7863.22	**338118.00**
	Basic Rate	6683.00							
	Ad-HOC 11%	735.13							
	Sub Total	7418.13							
	Area Weightage 6%	445.09							
	Grand Total	7863.22							
15	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface-providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, No. 1974 (P.No.185 & I.No.24.15)	sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	150	0.10		30.00		
			2	40	0.10		8.00		
			2	60	0.10		12.00		
							50.00	602.42	30121.00
	Basic Rate	512.00							
	Ad-HOC 11%	56.32							
	Sub Total	568.32							
	Area Weightage 6%	34.10							
	Grand Total	602.42							
16	Miscellaneous charges								
									2034.00
								Total	2500000.00

(Rupees Twenty five Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Satellite town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Approval
Accorded For ..... 25.00 lakh Rs.
Head of A/C ..... P 1771
CER NO :..... 352 Dt:.. 08.02.18

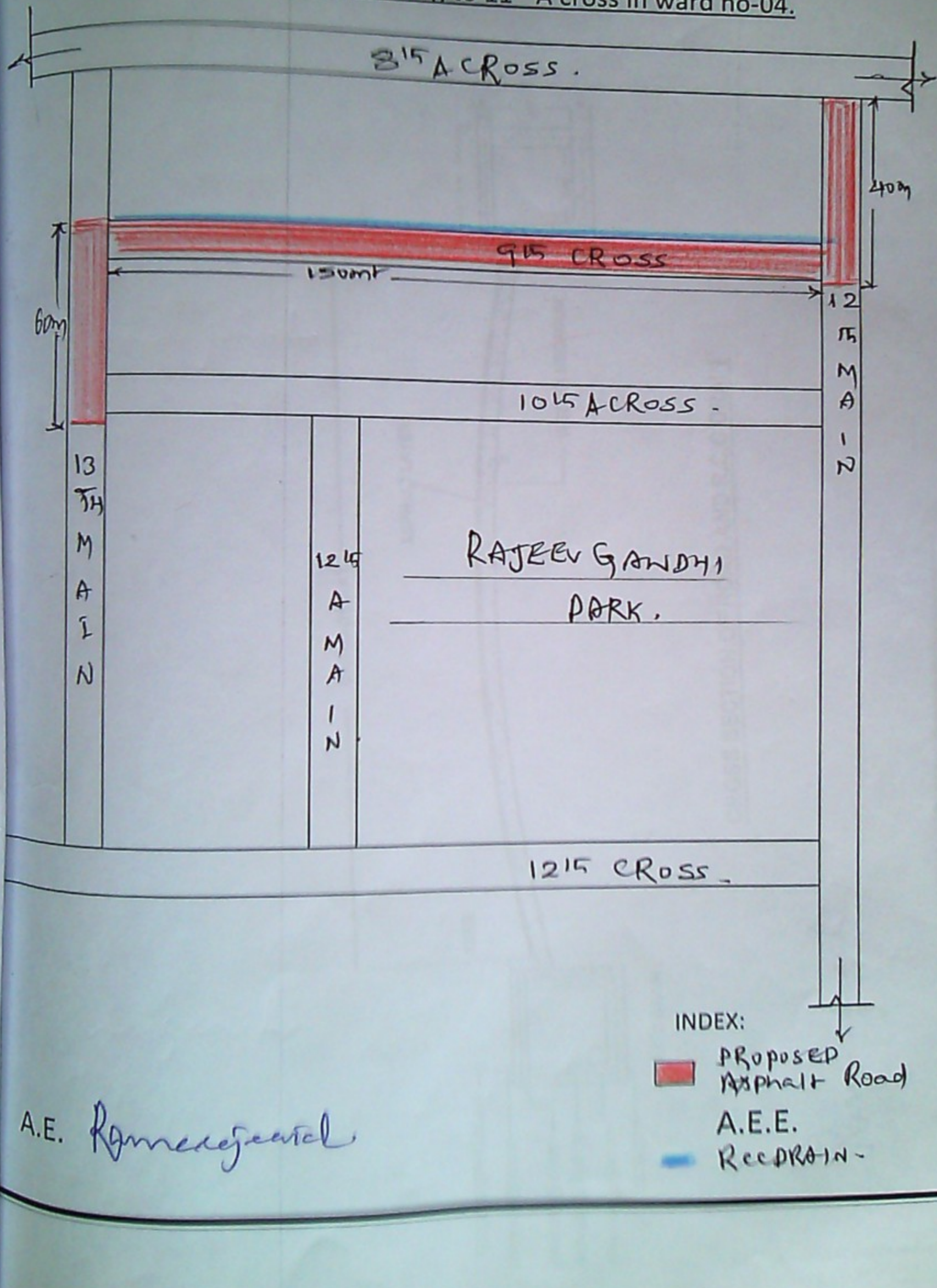
TA CE (YNK)

Technical Sanction
Accorded For ..... 25.00 lakh Rs.
Head of A/C ..... P 1771
CER NO :..... 608/A.. Dt:..08/02/18

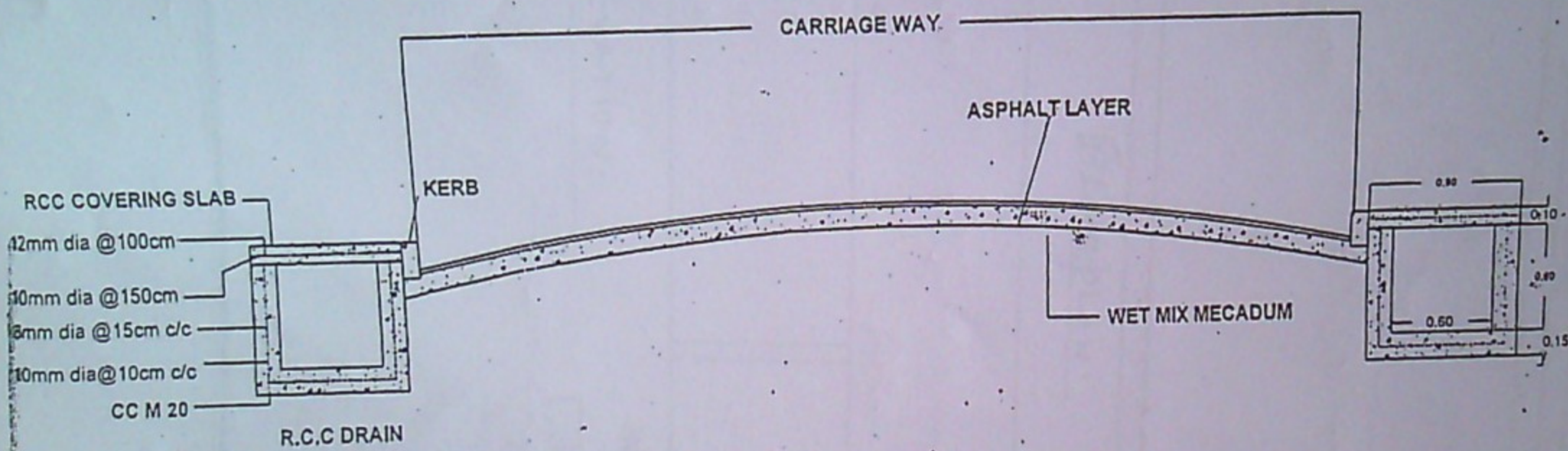
TA CE (YNK)

NAME OF WORK:

Providing Asphalting to 11th A cross in ward no-04.

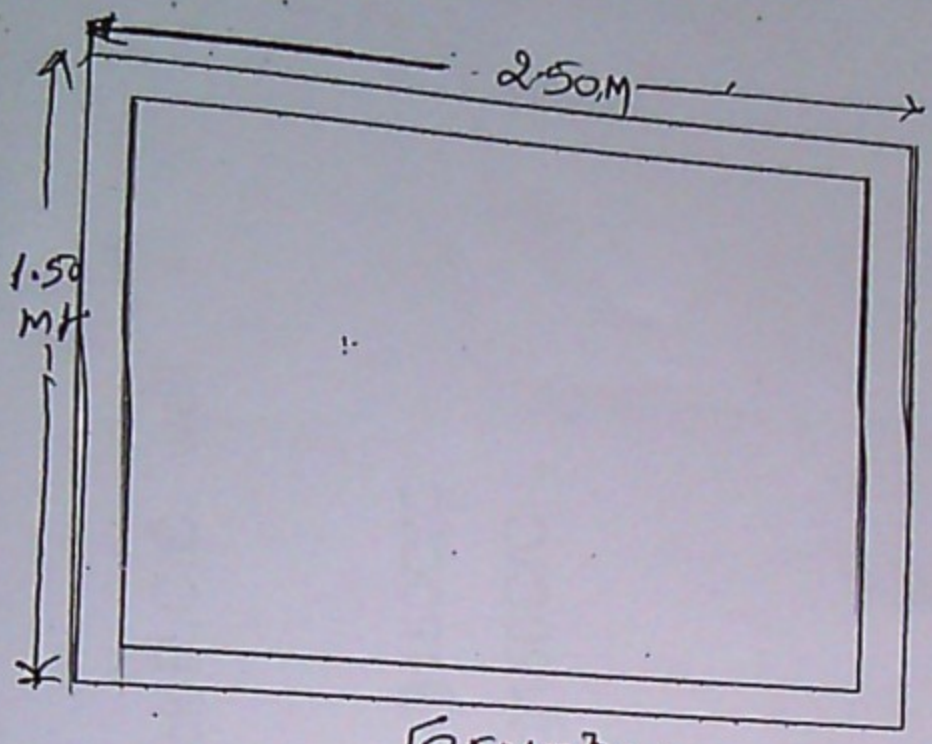


A.E. Rameshgowda

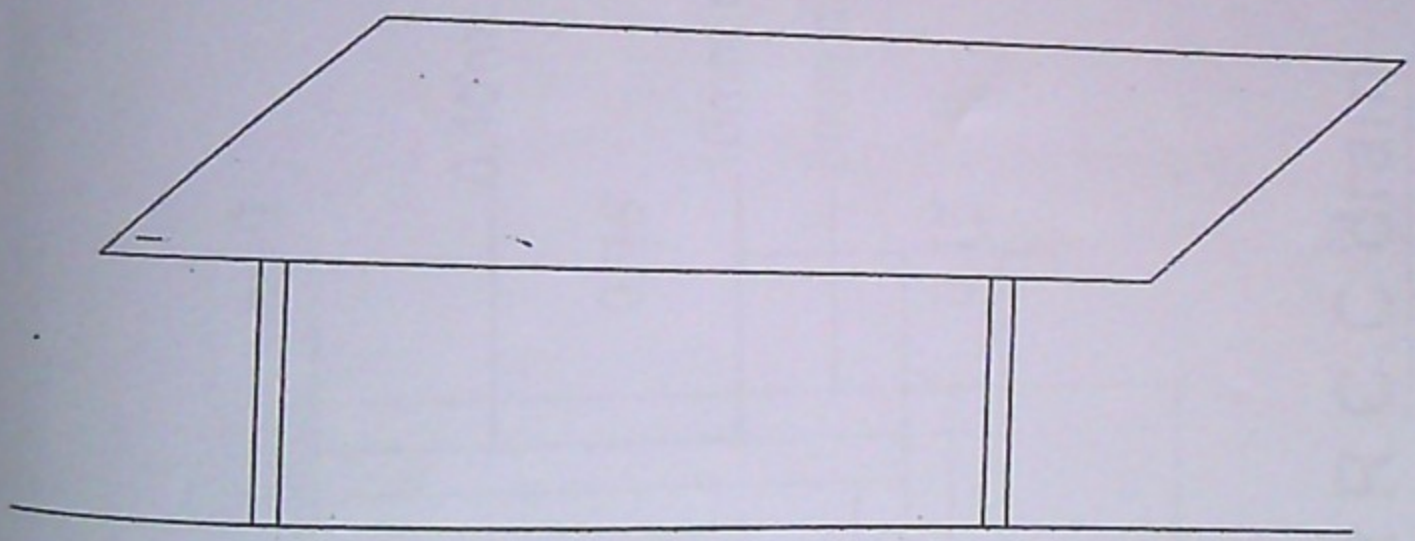


CROSS SECTION OF ROAD AND R.C.C DRAIN

Ramanjeesh



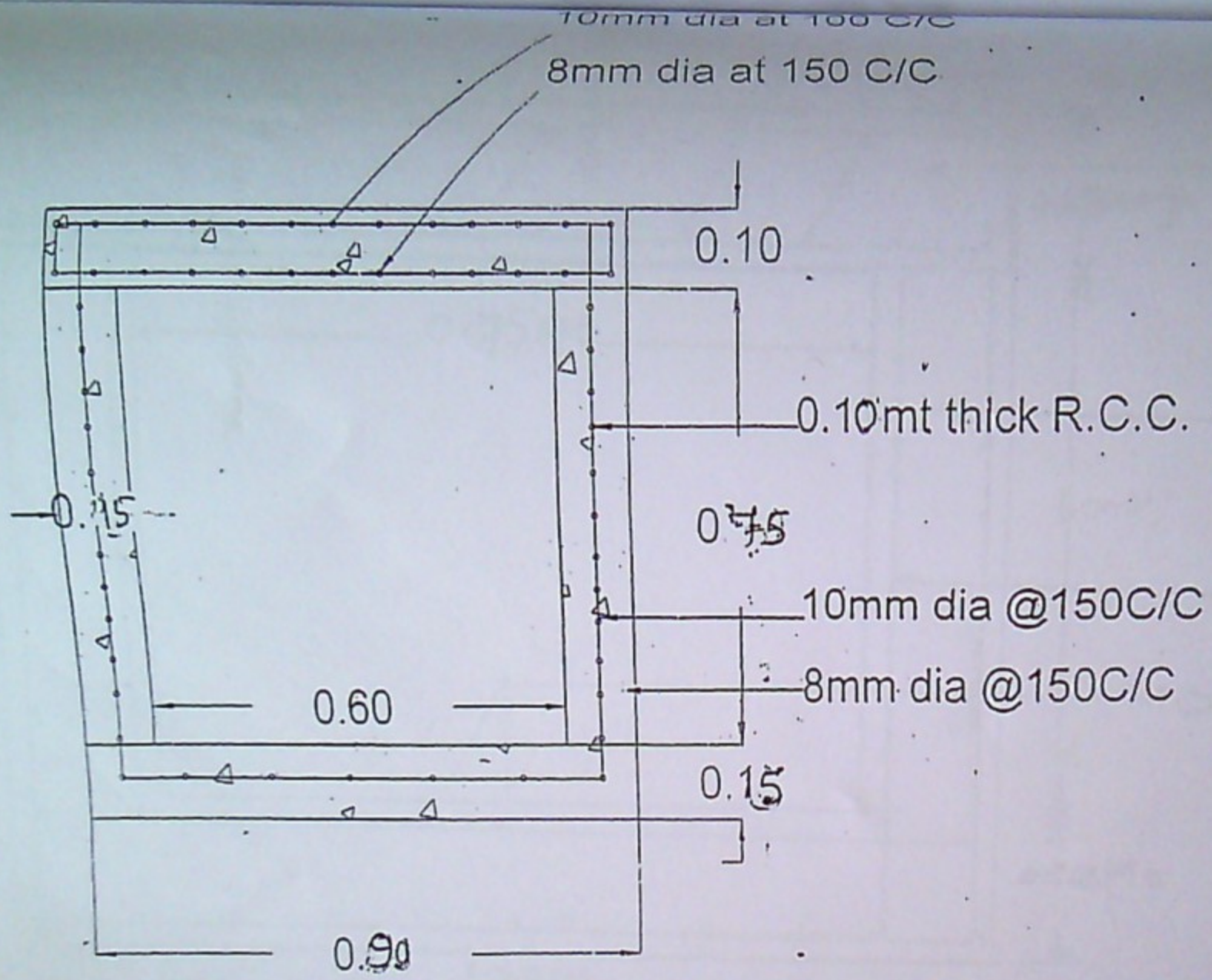
BENCH PLAN.



ELEVATION.

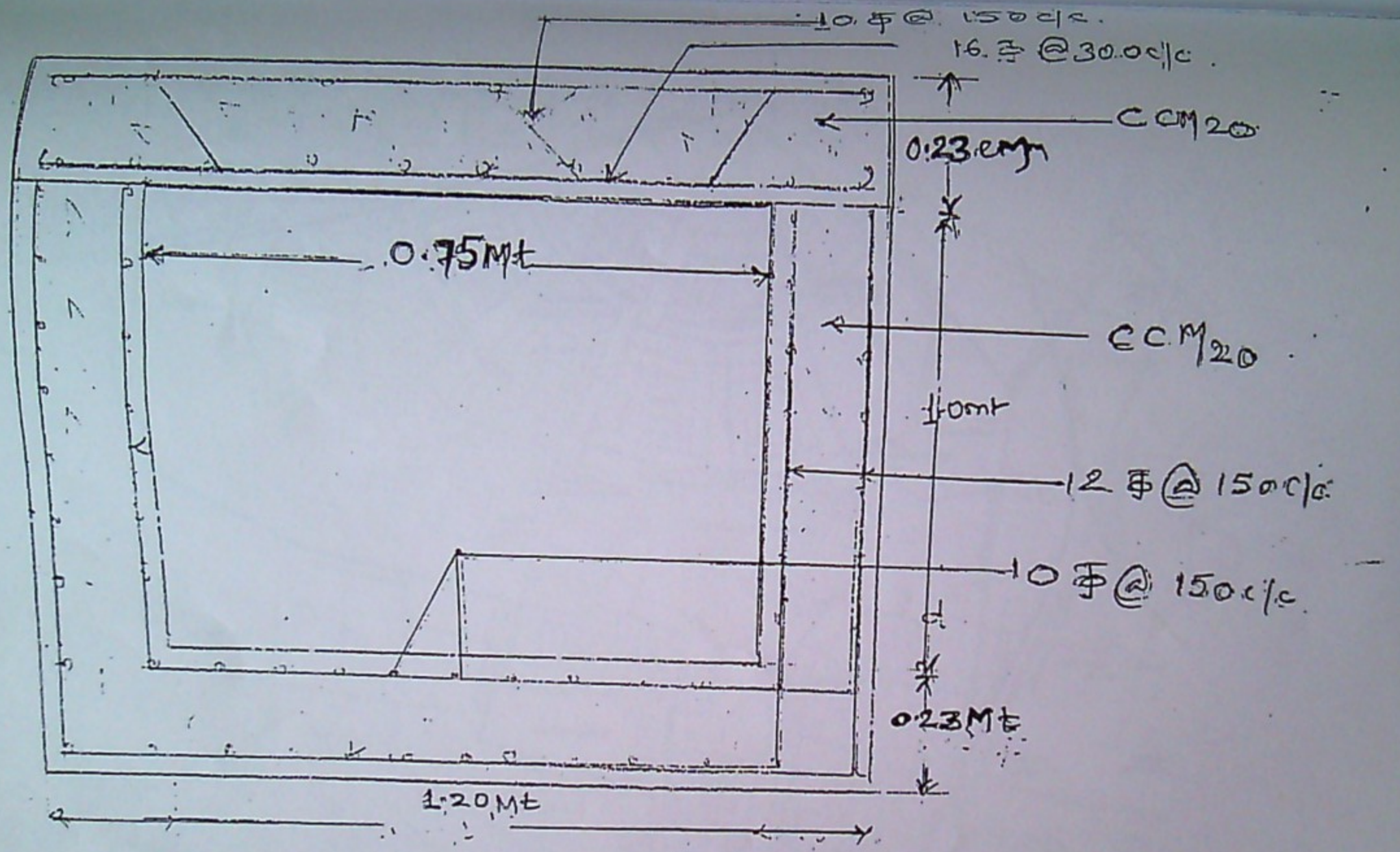
INDEX:

A.E. Ramaseesh



Cross section of R.C.C drain

Ramanjeevah.



CROSS SECTION OF R.C.C. CULVERT

Ramayeenah

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 4 - YELHANKA SATELLITE TOWN

150 - YELAHANKA AC

N

208- SFS COLONY
YESHWANTPURA ROAD
PUTTENHALLI ROAD
3TH_B_CROSS
WAP STADIUM
YESHWANTPURA ROAD
BWSSB OFFICE
EAST COLONY
DODDABALLAPURA RD
13TH_A_MAIN
YALAHANKA SETELLITE TOWN
NEHRU NAGAR
P M Enclave
UDAYA LAYOUT
2ND MAIN
17TH_B_MAIN
8TH_B_CROSS
PARK
YALAHANKA SETELLITE TOWN
8TH_CROSS
POLICE QUARTERS
BELLARY ROAD
RAILWAY LINE
AMPUS
EX CMC WARD BND
MOTHER DAIRY
PARK
PARK
11TH_A_MAIN
SUB REGISTRAR
BWSSB TREATMENT PLANT
SOMA NAGAR
CHIKKA BOMMASANDRA
16TH_B_CROSS
AMBEDKAR COLONY
JAKKATA COLONY
ALLALASANDRA KERE
BELLARY_ROAD
EXI CMC WARD BND
GKVK CAMPUS
EXI CMC WARD BND
20TH_MAIN
2ND MAIN
BELLARY_ROAD_BYPASS
VIDYASHILP ACADAMY SCHOOL
JUDICIAL LAYOUT
20TH_CROSS
ALLALASANDRA
RAILWAY LINE
GKVK CAMPUS
14TH_MAIN
MANTRI TOWN SHIP
SHOBHA ULTIMA VIL
EXI CMC WARD BND
GKVK CAMPUS
EXI CMC WARD BND/ GKVK CAMPUS CMPD
JUDICIAL COLONY
14TH_MAIN
8TH_MAIN
RAILWAY LINE
BELLARY_ROAD
MAIN ROAD GKVK CAPUS CMPD
GKVK CAMPUS
GKVK CAMPUS ROAD

Ramanjeevaiah

NOTIFICATION NO. UDD 59 MLR 2009. DATE. 15.07.09

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- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD